



OCT 2012 | ISSUE 1



are we VISIBLE?

WEBOMETRICS

How the UNIMAS portal measures up
to the rest of the world

UNIMAS, MASYARAKAT & MEDIA SOSIAL

UNIMAS berinteraksi dengan masyarakat
melalui media sosial

SELANGKAH KE 5 BINTANG

Strategi portal UNIMAS untuk mendapat
pengiktirafan 5 Bintang

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Congratulations

The 5 names shortlisted

Thank you so much to

Azman Hussin

Catherine Longgah

Harun Maksom

Latifah Loh Abdullah

Ling Sze Ting

Mahani Huja Husin

Murniza Aziz

who have generously contributed time and ideas to think of appropriate names that suit our very first UNIMAS IT magazine. What a fantastic effort and outcome!

A GREAT BIG FAT CONGRATULATIONS to

Ling Sze Ting, whose entry was favored by the selection panel and chosen to grace this publication. May it be the start of many things. Well done!



FROM THE DEPUTY VICE CHANCELLOR'S DESK

It has been 20 years since its establishment, and UNIMAS has experienced what it meant to be contemporary and forward looking. UNIMAS is never reluctant in using advanced and innovative technologies to enhance the university's operations.

For the last 20 years, UNIMAS has been at the fore-front in the use of ICT. With the help of the Centre for Information and Communication Technology Services (CICTS), UNIMAS has been able to develop and implement a host of in-house applications as well as achieve many successes towards providing the best ICT services

UNIMAS continues to evaluate, develop and implement solutions to meet the expanding needs in the use of technology in the education field. UNIMAS is always willing to learn and to share whatever knowledge it has gained over the years with the larger community.

Tag-it helps to inform, impart and publicise the on-going ICT efforts and accomplishments. In our own little way, we strive to create innovations that provide a contemporary and forward looking environment for education now and in the future.

- DEPUTY VICE CHANCELLOR

Prof Dr. Peter Songan

FROM THE EDITOR

Tim Berner's Lee had the noble idea of allowing information to be shared over a network, a place where information can stand the test of time and space and allow normal day people access to a global world.

As inventor of the hypertext link that helped linked web-pages together, Lee brought about what is now known as the World Wide Web (WWW). It was an invention that changed the way we interact with the world.

The impact of the WWW on our daily lives cannot be ignored. It sparked an era where information is available to anyone, any place at any time. And the web continues to grow at a phenomenal rate each second. And with such growth, standards and measures are needed to properly bring order to a, somewhat chaotic environment.

This first edition of *Tag-it*, seeks to explore the impact of the World Wide Web on Universiti Malaysia Sarawak (UNIMAS). We highlight the impact of social media and look at the criteria used by Malaysia to ensure that all public websites adhere to the highest quality possible.

A big thank you goes out to the likes of Prof Dr Narayanan Kulathuramiyer, the Dean of the Faculty

of Computer Science and Information Technology, the UNIMAS Corporate Communication Unit and the team overseeing the UNIMAS website; and not forgetting the hardworking editorial board from the Centre of Information and Communication Technology Services, who have pulled in the long hours to put together *Tag-it*.

Enjoy the adventure and as Albert Einstein puts it, "Learn from yesterday, live for today, hope for tomorrow. The important thing is not to stop questioning."

Maclean Patrick

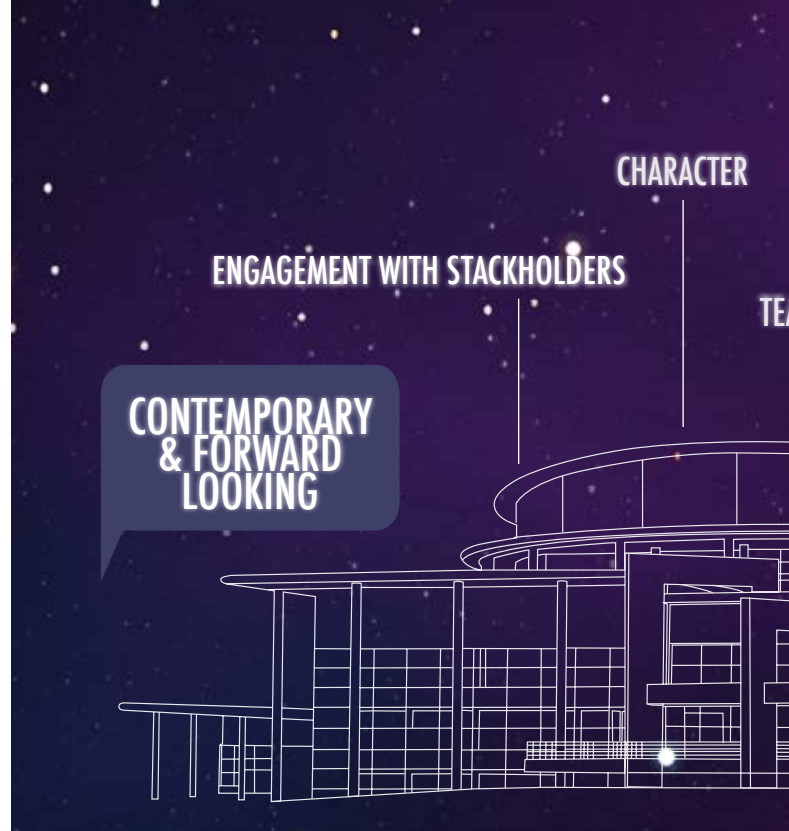
WEBOMETRICS

a measure for the UNIMAS portal

By Prof Dr Narayanan Kulathuramaiyer, Assoc Prof
Dr Mus Chairil Samani & Shane Nissom

Websites have become the most ubiquitous tools used by various organizations everywhere to communicate with their respective publics, both external and internal. Every established university in the world is using the same approach to advertise and make their presence felt on the World Wide Web. UNIMAS has also taken the same step in its quest to position itself as one of the premier institutions of higher learning in the world.

The Webometrics ranking has been accepted as one of the indicator to measure the success of an institution of higher learning to garner exposure vis-a-vis other academic



The latest statistics indicates that UNIMAS is ranked 2488 in the world by Webometrics. At the local front, UNIMAS has been ranked 21 when it is compared to the other local institutions of higher learning. The current position does not augur well with the aspirations of UNIMAS as “the contemporary and forward looking” university.

Our aspiration to be a “contemporary and forward looking university” has to be reflected by our web presence and appearance. All stakeholders will now become involved in this newly proposed Web-based ecosystem and resulting virtual lifestyle.

Webometrics Malaysia Ranking 2012

World Rank	University	Position			
		Size	Visibility	Rich Files	Scholar
1842	Universiti Malaysia Sarawak	3,631	3,092	4,112	1,813
		Size	Visibility	Rich Files	Scholar
		10%	50%	10%	30%

January

World Rank	University	Position			
		Presence	Impact	Openness	Excellence
2488	Universiti Malaysia Sarawak	5,466	3,328	4,219	2,081
		Presence	Impact	Openness	Excellence
		20%	50%	15%	15%

February

4

institutions on the internet. It is perceived that institutions with higher Webometrics ranking will be able to attract both outstanding students and academics to pursue their goals with the university.

Since 2004, the Ranking Web (or Webometrics Ranking) has served to be the measure for which Higher Education Institution could benchmark their websites in relation to their peers in the education industry.



Extracted from source:
About Ranking
http://www.webometrics.info/about_rank.html

PRESENCE (20%)

The global volume of contents published on the university webdomains as indexed by the largest commercial search engine (Google). It counts every webpage, including all the formats recognized individually by Google, both static and dynamic pages.

IMPACT (50%)

The quality of the contents is evaluated through a "virtual referendum", counting all the external inlinks that the University webdomain receives from third parties. Those links are recognizing the institutional prestige, the academic performance, the value of the information, and the usefulness of the services as introduced in the webpages according to the criteria of millions of web editors from all over the world. The link visibility data is collected from the two most important providers of this information: Majestic SEO and ahrefs, that provides an overlapping scenario very close to a true global coverage.

OPENNESS (15%)

The global effort to set up institutional research repositories is explicitly recognized in this indicator that takes into account the number of rich files (pdf, doc, docx, ppt) published in dedicated websites according to the academic search engine Google Scholar. Only correctly formed file names are considered (for example, the Adobe Acrobat files should end with the suffix .pdf) for the period 2007-2011.

EXCELLENCE (15%)

The academic papers published in high impact international journals are playing a very important role in the ranking of Universities. Deepening the commitment to this measurement started in previous edition we are introducing the Excellence indicator, the university scientific output being part of the 10% of the most cited papers in their respective scientific fields. Although this is a measure of high quality output of research institutions, the data provider Scimago group supplied non-zero values for more than 5200 universities (period 2003-2010).

Looking beyond the aesthetics, the twice a year published Webometrics Ranking measures higher education institutions on four (4) criteria (as of July 2012) – Presence (20%),

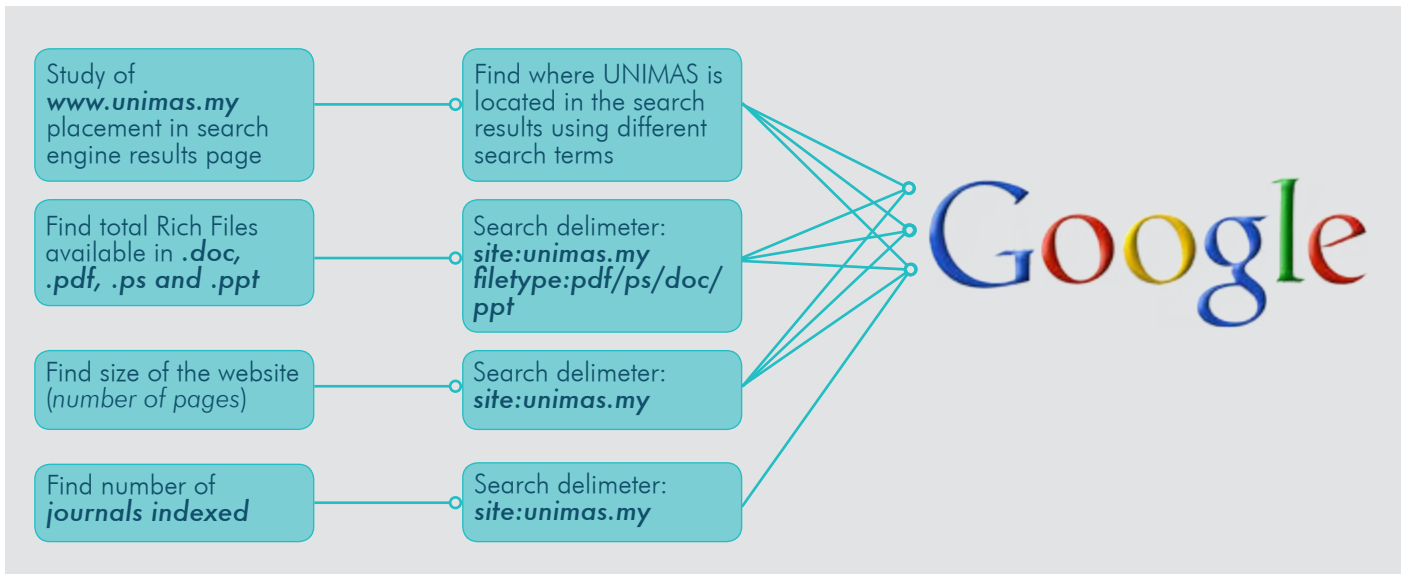
Impact (50%), Openness (15%) and Excellence (15%).

A concerted effort is thus needed by everyone in UNIMAS to help elevate the UNIMAS's portal

web presence. It is not merely the task of the web committee nor those on the Webometrics taskforce, but a combine effort by all scholars, researchers, lecturers and alumni. We

will now show you how you can measure your sites performance to determine web visibility and impact.

How to measure your own website?



It is possible to measure the size, impact and amount of rich files in the website but running a search query with a search engine such as Google with the added addition of several search delimiters. The delimiters help give an over-all view of the site.

For example the search `site:mit.edu` returned the following result:



In 0.23 seconds, a total of 8,080,000 results were returned to indicate the size of MIT's website. Website

owners in UNIMAS are encouraged to conduct your own searches using the search delimiters mentioned above. This will give great insight into the areas of improvement needed by all stakeholders in UNIMAS in improving our Webometrics ranking.

The drive to push the UNIMAS portal up the rungs of the Webometrics Ranking table is a combined effort from all within UNIMAS. By having more people in the engine room, the rate of ascend for the UNIMAS portal would be astronomical. One that is attainable and achievable in a short time. It just takes effort.

We know the equation, we have done the calculations, we know where to

improve; all it takes now, is for all to put their foot on the pedal and pitch in their bit.

Feel free to determine the number of your pages on your microsite.

Example:

`site: hep.unimas.my`
or `site:isiti.unimas.my`
`filetype:pdf`



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Structure Cabling system & ICT Solution Provider

Kunjungilah kami di:

<https://www.facebook.com/unimasofficial>

UNIMAS, MASYARAKAT & MEDIA SOSIAL

Unit Komunikasi Korporat,
Bahagian Canselori

UNIMAS kini telah mengorak langkah dengan menggunakan kemudahan media sosial untuk merapatkan diri dengan masyarakat. Ini berikutan wujudnya permintaan yang tinggi untuk mendapatkan maklumat berkaitan peluang pendidikan, aktiviti serta perkembangan semasa UNIMAS, dari dalam mahupun luar negara.

Kewujudan laman sosial rasmi UNIMAS melalui *Twitter*, *Facebook* dan *YouTube* baru-baru ini telah merancakkan dan memudahkan lagi interaksi sebaran maklumat. UNIMAS berharap melalui kemudahan media sosial ini, maklumat terkini serta tepat dapat disampaikan kepada para pengguna. Para pengguna, terutamanya para pelajar tampak lebih selesa melahirkan pendapat

serta bertanyakan soalan disamping menggunakan laman media ini sebagai medium untuk berkongsi maklumat atau membincangkan isu-isu semasa. Penggunaan *Facebook* sememangnya merapatkan jurang kakitangan dengan pelajar ke arah yang lebih positif tanpa melibatkan “red-tape”.

Oleh itu, kemudahan media sosial sebagai *tools of engagement* (alat komunikasi) kepada pelajar dan masyarakat disamping media rasmi sedia ada, memainkan peranan yang amat unik dalam:

- meningkatkan imej dan reputasi UNIMAS sebagai salah sebuah Institusi Pengajian Tinggi Awam yang akan memberi impak yang membanggakan kepada bidang pengajian tinggi di Malaysia.
- mendekatkan UNIMAS bukan sahaja kepada para pelajar UNIMAS, malah melangkaui alumni, masyarakat, ibubapa dan juga bakal pelajar UNIMAS.

Fakta & Angka

Didapati jumlah pengunjung dan pengikut (*followers*) perkembangan UNIMAS melalui laman sosial UNIMAS kini kian meningkat semenjak kewujudannya bermula Ogos tahun ini.



Follow

343 TWEETS

7 FOLLOWING

733 FOLLOWERS



5,715

“Pelancaran versi baharu laman web UNIMAS pada 1 Ogos 2012 merupakan salah satu inisiatif penambahbaikan serta bukti komitmen UNIMAS untuk memastikan pelajar, masyarakat serta pihak-pihak yang berkepentingan dapat memanfaatkan maklumat serta berkomunikasi dengan pihak universiti dengan mudah, cepat dan tepat.”



- meningkatkan kedudukan webometrics UNIMAS yang secara tidak langsung akan meningkatkan keyakinan pihak-pihak yang berkepentingan terhadap kecemerlangan dan pencapaian universiti ini.
- mengukuhkan kehadiran dan populariti UNIMAS bukan sahaja di peringkat nasional, malah sehingga ke peringkat antarabangsa. Ini merupakan peluang terbaik universiti untuk memaparkan kewibawaan warga kampus kepada seluruh dunia, seterusnya memperoleh pengiktirafan yang boleh membawa UNIMAS ke peringkat global setanding dengan universiti-universiti terkenal di seluruh dunia.
- memupuk perasaan “*sense of belonging*” kepada para pelajar serta masyarakat melalui

perkongsian maklumat seperti gambar serta aktiviti-aktiviti universiti, di mana mereka boleh merasakan diri mereka sebagai sebahagian daripada UNIMAS.

Pendapat-pendapat yang diutarakan oleh para pengguna laman sosial rasmi UNIMAS sememangnya amat membantu dalam memacu usaha universiti ini untuk meningkatkan mutu sistem penyampaian awamnya di mata masyarakat. Penggunaan medium itu sendiri, yang bersifat percuma serta mudah diakses dari mana-mana peralatan komunikasi, memberi peluang kepada para pengguna yang kebanyakan terdiri daripada para pelajar menyumbang kepada peningkatan kualiti perkhidmatan universiti secara tidak langsung.

Kebebasan melahirkan pendapat yang ditawarkan melalui laman sosial ini juga boleh menjadi landasan kepada para pelajar

untuk meningkatkan keyakinan diri masing-masing, yang seterusnya dapat melahirkan graduan UNIMAS yang mempunyai sifat kepimpinan dan keyakinan yang tinggi, disamping beretika dalam menyuarakan pendapat serta meningkatkan jati diri setiap pelajar.

Hakikatnya, penggunaan media sosial ini adalah merupakan adaptasi UNIMAS kepada salah satu contoh perkembangan maju teknologi terkini dan ianya sejajar dengan moto UNIMAS, “*Contemporary and Forward Looking*”

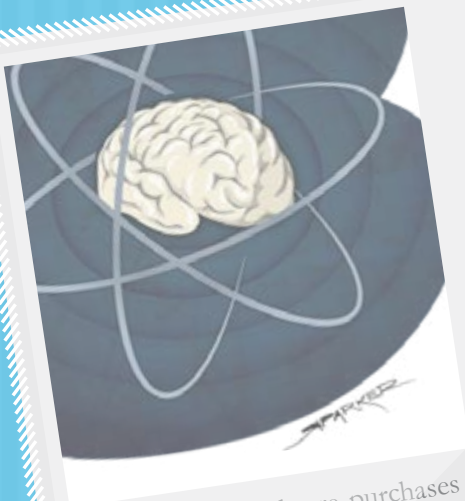
DROPbox



#1 SMARTCARD ATTENDANCE SYSTEM (SAS)

After completing initial test-runs, the Smartcard Attendance System (SAS) has been approved for implementation through-out the UNIMAS campus. SAS is a component system to the Office Hour In Out (OHIO) System, the other being the Movement In and Out (MIO) system. This provides a standard and systematic platform to administer the attendance of staff members in UNIMAS.

SAS allows the administrator to gain empirical information on the attendance record of their staff members. Working in tandem with MIO, all activities involving the staff work attendance and movements can be monitored online, allowing for better record keeping and remedial actions.



#2

SOFTWARE AND HARDWARE PURCHASING FOR RESEARCHERS

Software and hardware purchases for researchers have to be done via their respective research grants. This is true for all off-campus grants. In submitting applications for research grant, the researchers have to include their software and hardware needs.

For grants obtained from UNIMAS Fundamental Grant or Small Grant Scheme, researchers may choose to seek help from the Centre for Applied Learning and Multimedia (CALM) to source out available software or liaison with the Research and Innovation Management Centre (RIMC) for assistance.



#3

MyREN Video Conferencing Service

UNIMAS subscribes to Malaysian Research & Education Network (MyREN) - a network solely dedicated for research purposes in Malaysia. At a speed of 10Mbps, MyREN allows researchers to hold video conferences with any local universities via MyREN with no significant lag. Thus, allowing researchers to conduct student VIVA, meetings, collaborative consultations or even research presentations over the internet and save both time and effort on travelling to a designated location to conduct such activities.

Aside from local universities, any institution that is hosted within a research network globally can be connected via MyREN. These include :

CERNET (China) | KOREN (Korea) | SINGAREN (Singapore)
| ThaiREN (Thailand) | PREGINET (Philippines) |
VINAREN (Vietnam) | Institut Teknologi Bandung (Indonesia)

as well as the pan-European GEANT2 network, that hosts:

DFN (Germany) | RENATER (France) |
SURFnet (Netherlands) | UKERNA (United Kingdom)

**"Everything
should be
made as
simple as
possible, but
not simpler."**

- Albert Einstein

We believe that a brilliant
IT solution should also be
made as simple as
possible.

#4

iRIS version 5.0

UNIMAS has been using the integrated Research Information System (iRIS) for some time now and they have recently launched version 5 for use by the university's researchers. Version 5 comes with various new functions as well as user enhancements to further assist researchers in updating their research profiles.

The improvements include:

1. ProjectID is now automatically generated if none was supplied by the researcher.
2. Researchers can now add to the list of the seminars they have attended. This eliminates the manual process of sending the list to the Research and Innovation Management Centre (RIMC). iRIS will lists all previous seminars attended and researchers merely need to click on the 'Add New' button to add their latest seminars.
3. Data from the Faculty of Computer Sciences and

Information Technology's research system, PREMAS, has been uploaded into iRIS and is only visible and available in version 5.

4. Researchers can now self manage their own profile including uploading their recent photographs.

More enhancements has been planned for iRIS, so do watch this column.

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+60 (82) 233258

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Simplicity . Quality . Scalability

SELANGKAH KE

UNIMAS perlu akur dalam mematuhi garis panduan dan memenuhi kriteria yang disediakan oleh Kerajaan dalam mengejar pengiktirafan melalui Malaysia Government Portal And Websites Assessment yang dikendalikan oleh Multimedia Development Corporation (MDeC). Bagi memenuhi salah satu kriteria tersebut, maka laman web UNIMAS kini dikenali sebagai **Portal Rasmi UNIMAS**.

PENILAIAN MDEC

Penilaian oleh MDEC dilaksanakan dari bulan April hingga Julai setiap tahun. Penilaian ini adalah berdasarkan Pekeliling Am Bil. 1 Tahun 2006 : Pengurusan Laman Web/Portal Sektor Awam yang dikeluarkan oleh pihak Unit Pemodenan Tadbiran dan Perancangan Pengurusan Malaysia (MAMPU).

Penilaian dibahagikan berdasarkan kepada kriteria berikut:

- Content* – Maklumat asas laman web/portal seperti alamat emel, nombor faks, alamat dan jumlah traksaksi online.
- Usability* – Ciri-ciri yang menyokong dan memudahkan pengguna menggunakan laman web/portal seperti jumlah halaman laman web dan fungsi carian.
- Security* – Ciri-ciri yang meyakinkan pengguna untuk menggunakan perkhidmatan atas talian seperti menyatakan polisi keselamatan di laman web.
- Participation* – Ciri-ciri yang membolehkan pengguna memberi pendapat atau maklum balas seperti menyediakan borang maklum balas atau menyediakan kaedah lain seperti SMS.
- Services* – Ciri-ciri yang membolehkan perkhidmatan agensi Kerajaan diautomasikan seperti e-perkhidmatan.



Kriteria-kriteria yang telah dicapai oleh



Pada tahun 2012, terdapat penambahan kriteria penilaian kepada portal/laman web agensi yang disenaraikan di dalam *strategic achiever* untuk mendapat status 5 bintang iaitu:

Jadual Penilaian untuk 5-Star Strategic Achievers.

Bil	Kriteria
1	Penetration Test Pencerobohan beretika dilakukan terhadap portal/ laman web yang disasarkan bagi mengetahui tahap kekebalan sesuatu portal/laman web.
2	ICT Security Incidents Semua rekod keselamatan ICT (pencerobohan, penembusan dan lain-lain) dalam tempoh yang ditetapkan yang telah dikesan atau dilaporkan bagi agensi/dan portal/laman web.
3	Public Complaints Perlu dipastikan tiada aduan yang dibuat ke atas portal/ laman web di Biro Pengaduan Awam (BPA), surat khabar atau sumber media lain.
4	English Language Review Halaman berbahasa English akan disemak sehingga tiga tahap (level) dari segi tata bahasa, ejaan dan lain-lain lagi. Tahap pertama terdiri daripada halaman utama, tahap kedua terdiri daripada halaman yang memaparkan bisnes utama agensi dan tahap ketiga ialah halaman soalan lazim.

UNIMAS komited dan yakin bahawa Portal Rasmi UNIMAS akan mendapat kedudukan (ranking) yang lebih baik dengan memperolehi markah yang lebih cemerlang pada penilaian portal untuk tahun 2013.



Launching of UNIMAS official portal

The UNIMAS Vice Chancellor, Prof. Datuk Dr. Khairuddin Ab Hamid launched the UNIMAS Official Portal on the 1st of August 2012. A public lecture by Prof. Dr. Narayanan Kulathuramaiyer entitled 'Webometrics, Contemporary and Forward Looking' preceded the event.



InMinds (Research) goes LIVE

The Intelligent Mining and Decision Support System (InMinds) Phase III which focuses on a research's statistical analysis needs was launched on the 13th August 2012. Amongst others, this system aims to assist the university's top management in making effective and informed decision pertaining to research matters.



Postgraduate Course Registration

The Centre for Graduate Studies (CGS) is constantly introducing better services to its postgraduate students. Online Course Registration for postgraduate students (coursework) is now available at the CGS website.



Online Conference Payment System

Payment for participation in conferences/seminars/workshops hosted by UNIMAS can now be made through the Online Conference Payment System commencing of 10th September 2012. The links to the system and the user manual are available at both UNIMAS Official Portal and Anjung UNIMAS.



e-Marking accessible from outside campus

e-Marking, an online system to input undergraduate's marks since 2009 is now accessible to lecturers from outside the campus. Previously, the system was only available within UNIMAS (intranet). This enhancement has significantly eased the task of gathering student's marks.



ePrestasi Akademik shortlisted for award

UNIMAS is proud that the ePrestasi Akademik has been shortlisted as an innovative project under the Ministry of Higher Education Innovation Award 2012. The award covers projects implemented among the higher education institutions in Malaysia, and involves innovations that further enhance the quality of services in those institutions.

ICT TRAINING CALENDAR 2012



Training: Internal Audit for MS ISO/IEC 27001:2007 – Information Security Management Systems (ISMS)
Workshop: ICT Strategic Planning Review
Road Show: Lotus Notes dan Aplikasi Sidang Video (HEP&A)

June



July

Training: MyMeeting
Knowledge Sharing: CICTS Executive Management Program
Road Show: Lotus Notes dan Aplikasi Sidang Video (BPPA)
Knowledge Sharing: Secured ICT Governance

August

Knowledge Sharing: Khidmat Pengguna & Sokongan Teknikal / Pengurusan Pusat Data
Knowledge Sharing: Pengurusan Komunikasi ICT / Pengurusan Aplikasi Pentadbiran
Training: MS Office (Beginners) (IEAS)



September

Knowledge Sharing: Inisiatif Sumber Terbuka & Teknologi Maju / Penilaian Teknikal & Latihan
Training: Office Automation (Ms Word, Excell, Power Point)
Training: UBUNTU for Beginners
Training: InMinds (Research)
Training: Pembangunan Microsite menggunakan Joomla 2.5
Knowledge Sharing: Sistem Pengurusan Pelajar

Road Show: Lotus Notes dan Aplikasi Sidang Video (FACA)
Knowledge Sharing: Teknik Penulisan untuk Majalah ICT
Knowledge Sharing: Open Source Implementation Success Story
Knowledge Sharing: Pengurusan Aplikasi Eksekutif dan Laman Web
Workshop: Document Checking for MS ISO/IEC 27001:2007 – Information Security Management Systems (ISMS)
Training: Pembangunan Microsite Menggunakan Joomla 2.5 (College Staff)

October

November

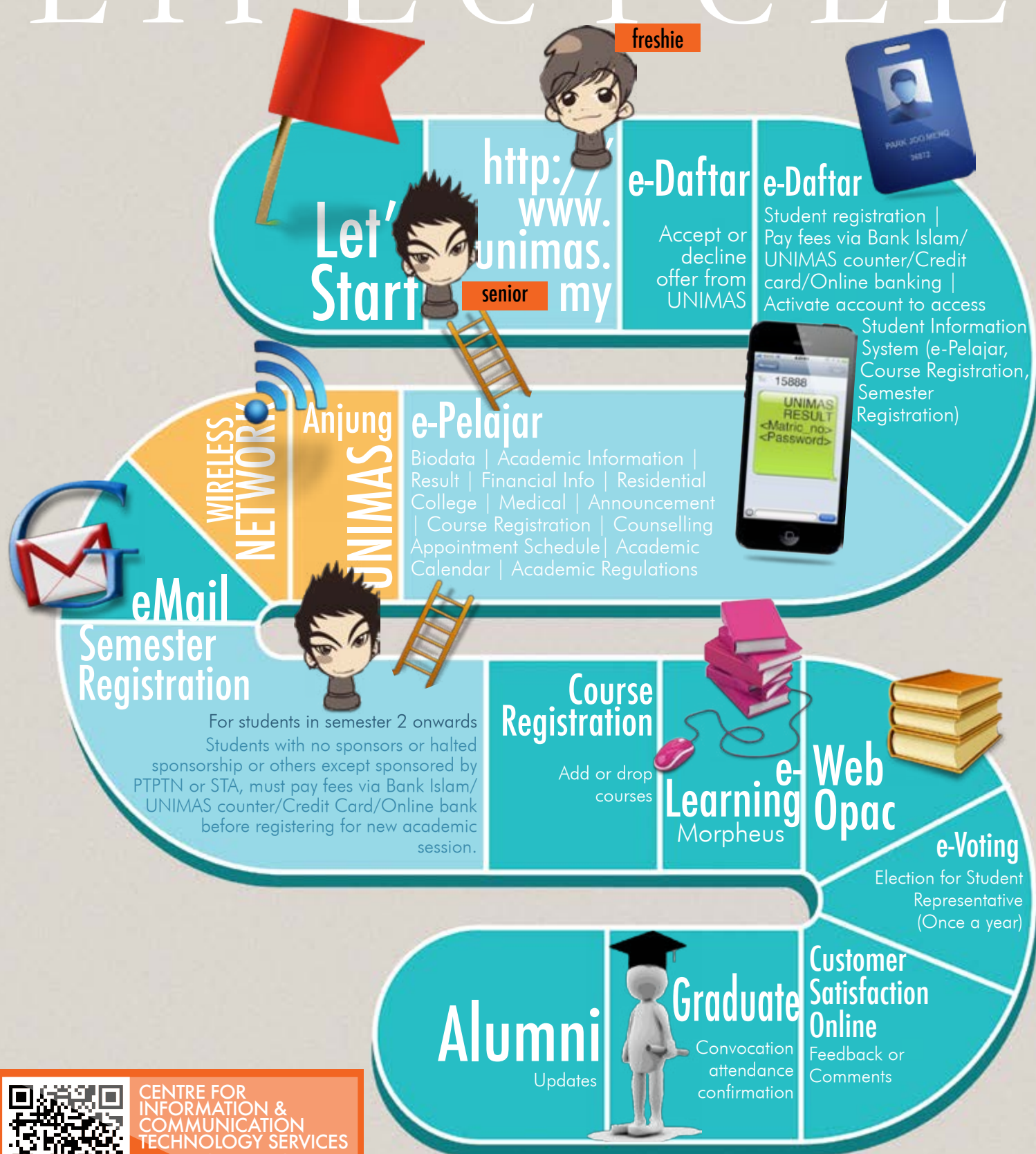
Road Show: Lotus Notes dan Aplikasi Sidang Video (FEB)
Knowledge Sharing: Introduction of ICT Services to Researchers
Training: MS Word & Excel (Intermediate)
Knowledge Sharing: Introduction of ISMS to ICT Vendors



December

Road Show: Lotus Notes dan Aplikasi Sidang Video (FCSIT)
Knowledge Sharing: IT Service Management Leadership

Under Graduate SYSTEM LIFE CYCLE



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